

**REMARKS**

The title has been amended, as required by the Examiner.

FIGS. 2B, 4B and 5B have been amended to clearly delineate the difference between the single voltage and the common voltage lines. FIGS. 4C, 4D, 5C and 5D have been added, as suggested by the Examiner, and the specification amended to conform to the changed drawings.

Turning to the rejection of independent claims 1 and 7 under 35 USC §103 as obvious over Kasahara et al. (U.S. Patent No. 4,789,223), nowhere does Kasahara et al. teach that the gradation- $\lambda$  correction voltage relationship that is used by a control circuit for gradation display is symmetrical. As the Examiner admits in the Detailed Action (page 3, cipher 4), "Kasahara et al. does not elaborate much on gamma corrections." Thus, how could Kasahara et al. possibly render obvious the features of claims 1 or 7?

In addition, newly cited Kasahara et al. teaches that signals inputted into a liquid crystal module are not inverted, but signals inputted into a source input line of a liquid crystal display panel, which are obtained by a voltage conversion of inputted signals, are inverted. On the other hand, claim 1 of the present Application requires that signals inputted into a liquid crystal module are inverted. Thus, the present invention and Kasahara et al. have different constructions. And, as a result of this difference, the present invention achieves benefits which would not be obtained by Kasahara et al.

Turning to the rejection of dependent claims 2-4 and 8-10 under 35 USC §103 as obvious over Kasahara et al. in view of Sato et al. (U.S. Patent No. 5, 751,267), claims 2-4 and 8-10 are directly or indirectly dependent on claims 1 and 7, respectively. The deficiencies of Kasahara et al. are discussed above vis-à-vis claims 1 and 7. Sato et al. does not supply the missing

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teachings to Kasahara et al. to achieve or render obvious claims 1 and 7, or claims 2-4 or 8-10 which depend thereon. The Examiner cites Sato et al. for teaching a gradation- gamma correction relationship that is not linear. However, FIGS. 7-10 of Sato et al. describe transmittance characteristics of a liquid crystal after gamma compensation is carried out on an image signal (col. 8, lines 14-42). Nowhere does Sato et al. teach a non-linear symmetrical gradation-  $\lambda$  correction voltage relationship used by a control circuit.. Thus, no combination of Kasahara et al. and Sato et al. could achieve or render obvious claims 1 and 7, or claims 2-4 and 8-10 which depend thereon.

Turning to the rejection of claim 5 under 35 USC §103 as obvious over Kasahara et al. in view of Matsumoto et al. (U.S. Patent No. 5,365,284), claim 5 is directly dependent on claim 1. The deficiencies of Kasahara et al. vis-à-vis claim 1 have been discussed above. Matsumoto et al. does not supply the missing teaching to Kasahara et al. to achieve or render obvious claim 1 or claim 5, which depends thereon. Matsumoto et al. is cited as only teaching that the polarity of digital signals can be inverted using bit wise inversion. Nowhere does Matsumoto et al. teach a control circuit that uses a symmetrical gradation -  $\lambda$  correction voltage relationship for a gradation display. Thus, no combination of Kasahara et al. in view of Matsumoto et al. could achieve or render obvious claim 1 or claim 5, which depends thereon.

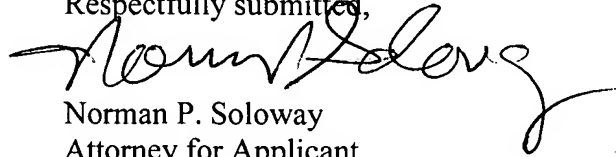
Having dealt with all the objections raised by the Examiner, the Application is believed to be in order for allowance. Early and favorable action are respectfully requested.

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In the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account Number 08-1391.

Respectfully submitted,

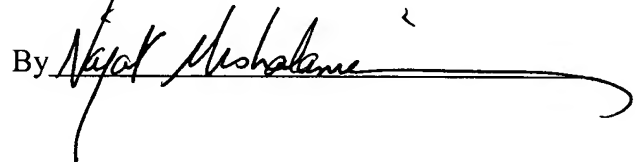


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**CERTIFICATE OF MAILING**

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**ANNOTATED MARKED-UP  
FIG. 2B, 4B, 5B**

(copy submitted with Amendment A)

SERIAL NO. 10/072,688  
DOCKET: NEC 01FN071



FIG. 2A (PRIOR ART)

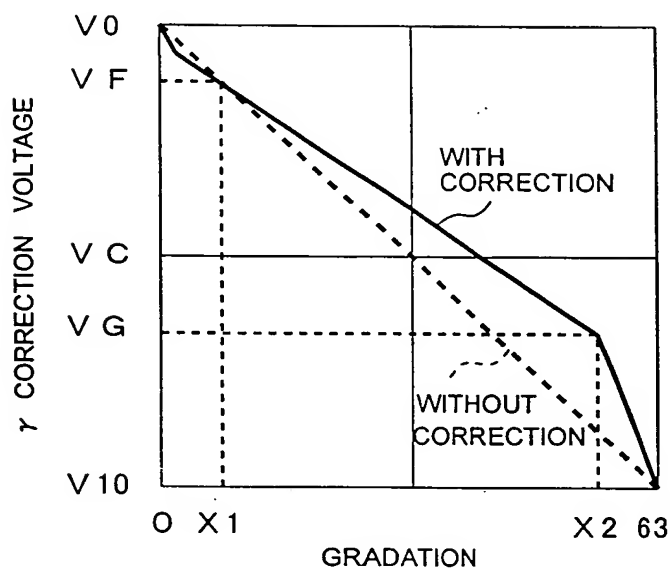


FIG. 2B (PRIOR ART)

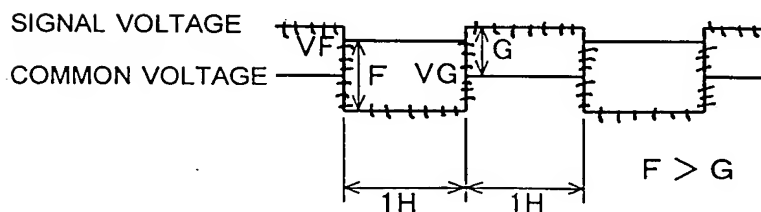




FIG. 4A

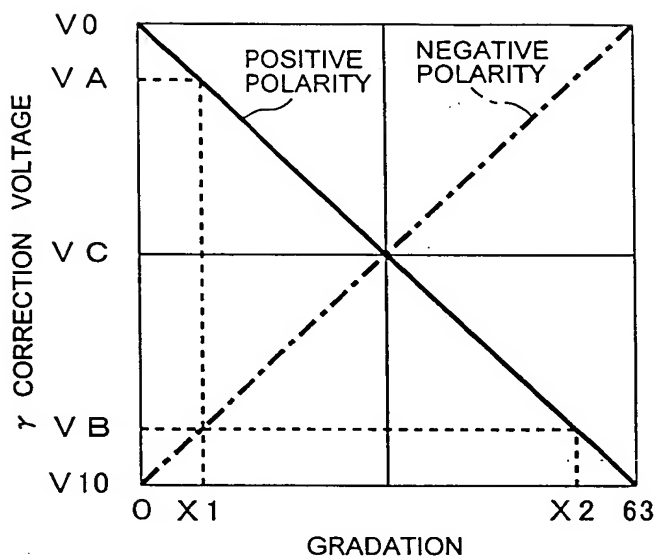
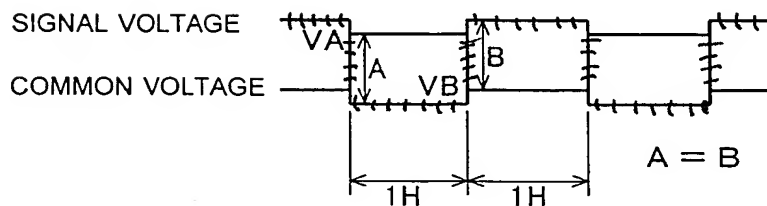


FIG. 4B





Serial No: 10/072,688  
Docket No. NEC 01FN071  
Annotated Marked-up FIG. 5B  
Submitted with Amendment A

FIG. 5A

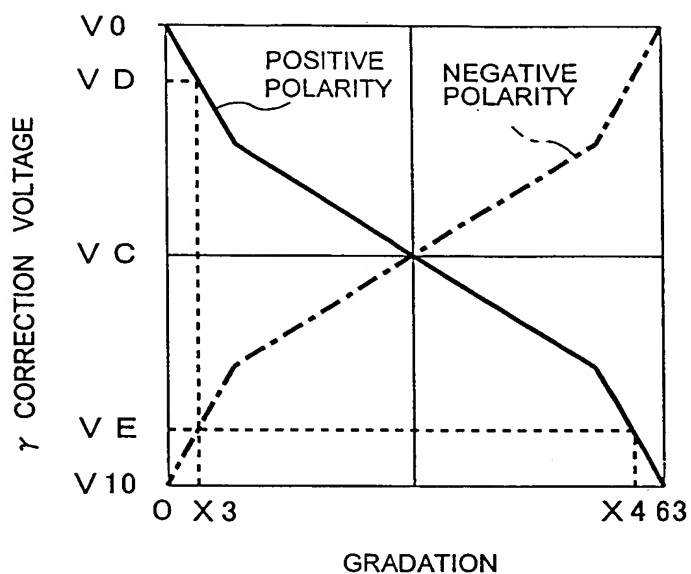


FIG. 5B

